



National Weather Service Tallahassee, Florida



In this update:

- Severe weather event possible on Christmas Day continuing into Wednesday Morning

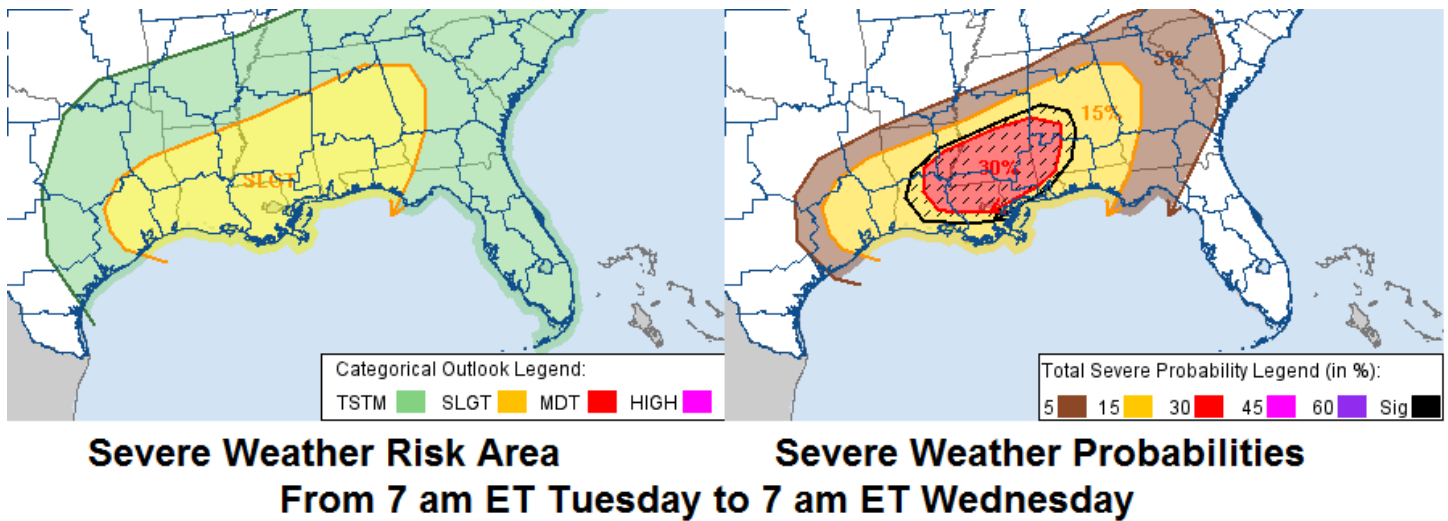
Overview:



An energetic and strong storm system will move across the Southern Rockies on Monday and near the Western Gulf of Mexico on Tuesday morning. As this system quickly moves eastward across the Mid South, numerous showers and thunderstorms will develop in the increasingly unstable airmass across the Southeast. Initially, some of these storms could be strong to severe on Tuesday afternoon, but the bulk of the severe weather

threat is likely to be late Tuesday evening and into the overnight hours, finally ending on Wednesday morning. As is typical with storm systems that affect our part of the country this time of year, wind shear with this storm system is very strong and would support the formation of severe storms if enough instability is present. At this time, however, it is still very uncertain how much moist unstable air will be returned northward out of the Gulf of Mexico. Should it become warmer and more moist than currently indicated in many of the computer models, a significant severe weather outbreak would be possible across our region.

Threat Area:



The Storm Prediction Center has placed the western half of our forecast area (Southeast Alabama and the Florida Panhandle) within a slight risk area for severe weather for Tuesday into Wednesday. Probabilities for severe weather are lower further to the east across Southwestern Georgia and into the Florida Big Bend.

In further updates, it is possible that the risk for severe weather may be increased, especially across Southeast Alabama and in the Florida Panhandle where greater instability may combine with strong wind shear to produce a higher severe weather risk.

Based on the latest forecasts, a few showers and thunderstorms will be possible on Tuesday morning and into the early afternoon hours as a warm front retreats further northward.

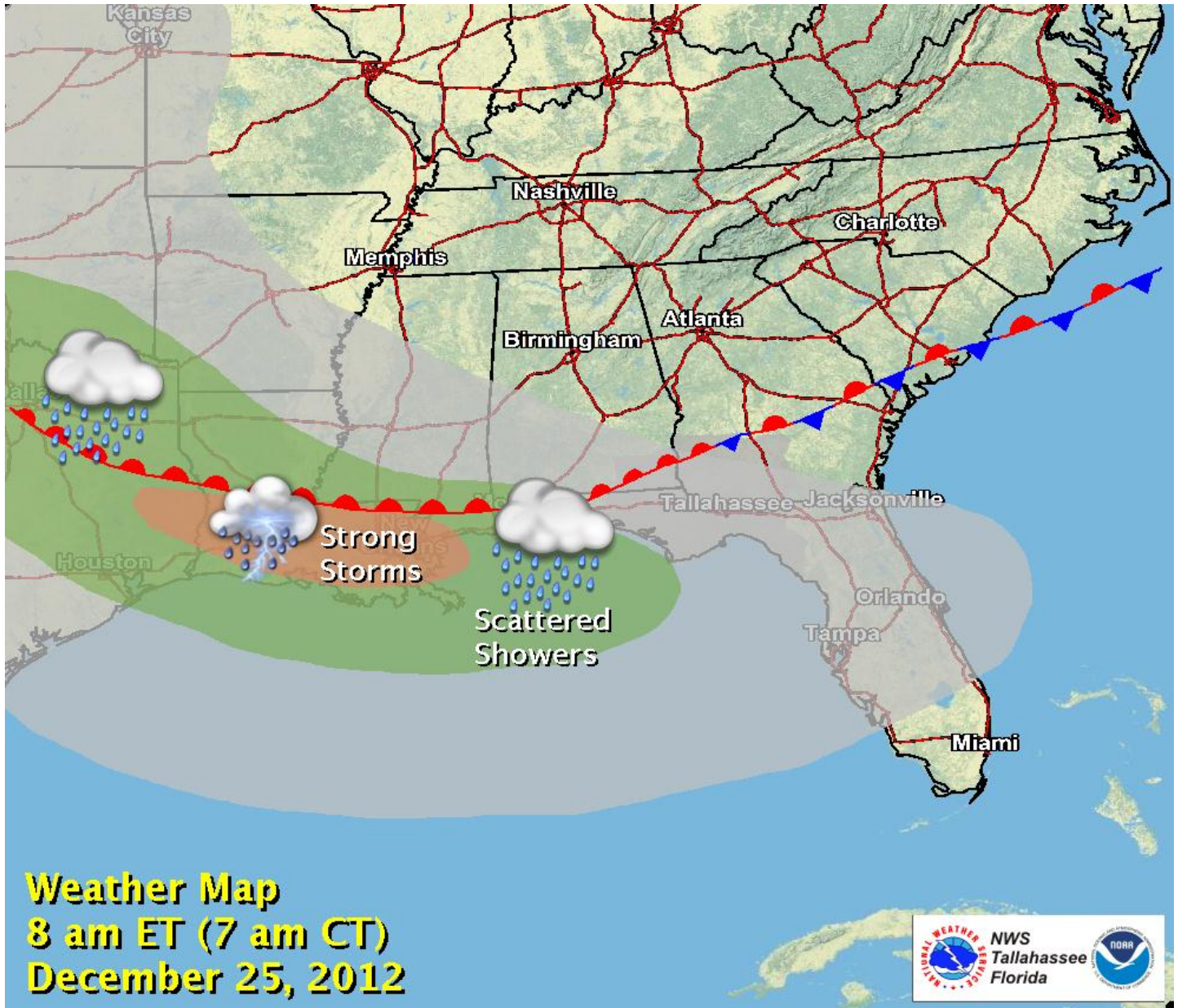
Later Tuesday afternoon, the severe weather threat will increase, as a strong cold front approaches from the west with a squall line. This squall line will likely be the primary severe weather event and be capable of producing damaging straight line winds in excess of 60 mph and isolated tornadoes.

The severe weather threat will completely end once the cold front passes through the area during the overnight hours.

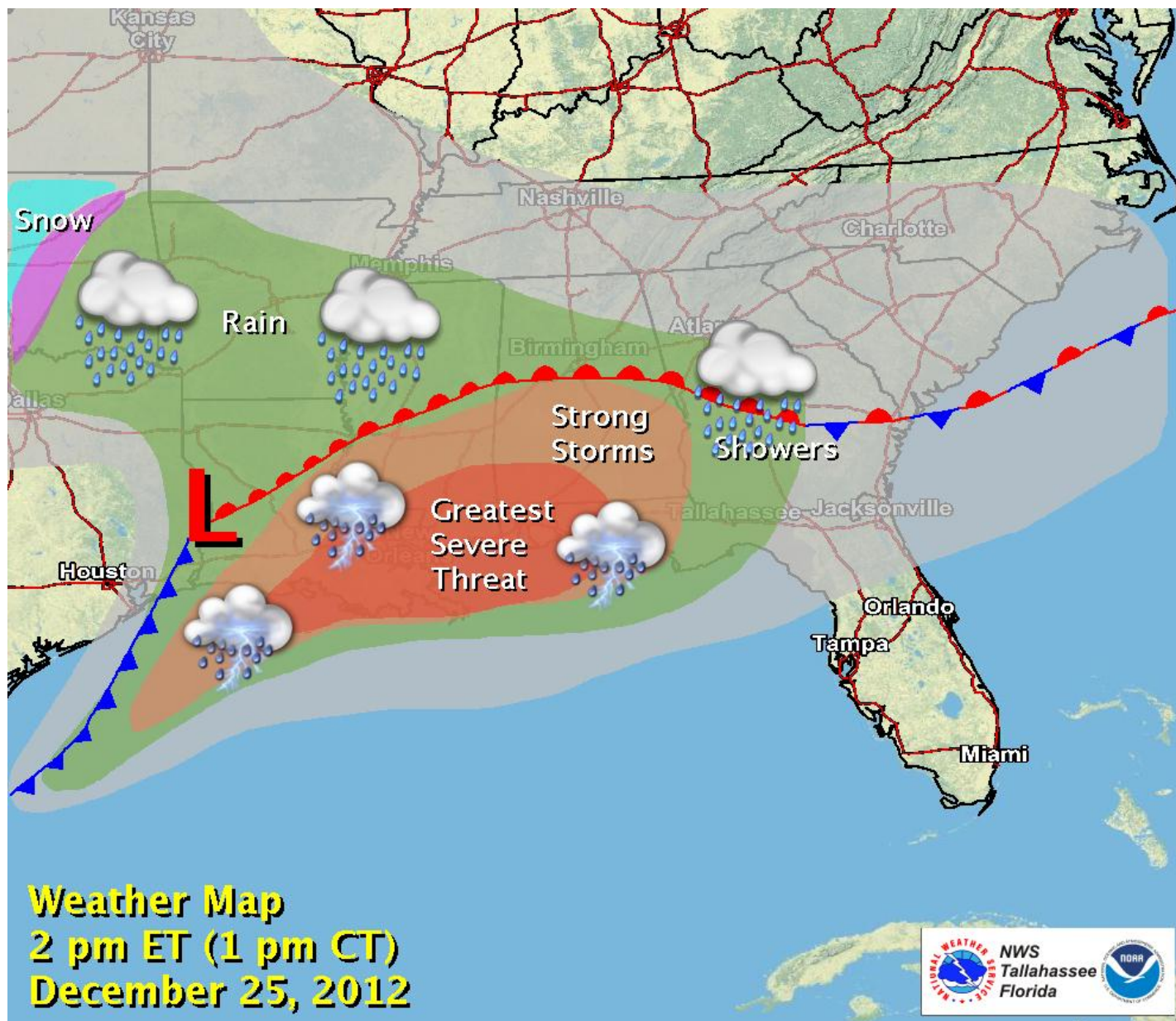
Timing:

The following images depict our best estimate of the timing with this storm system

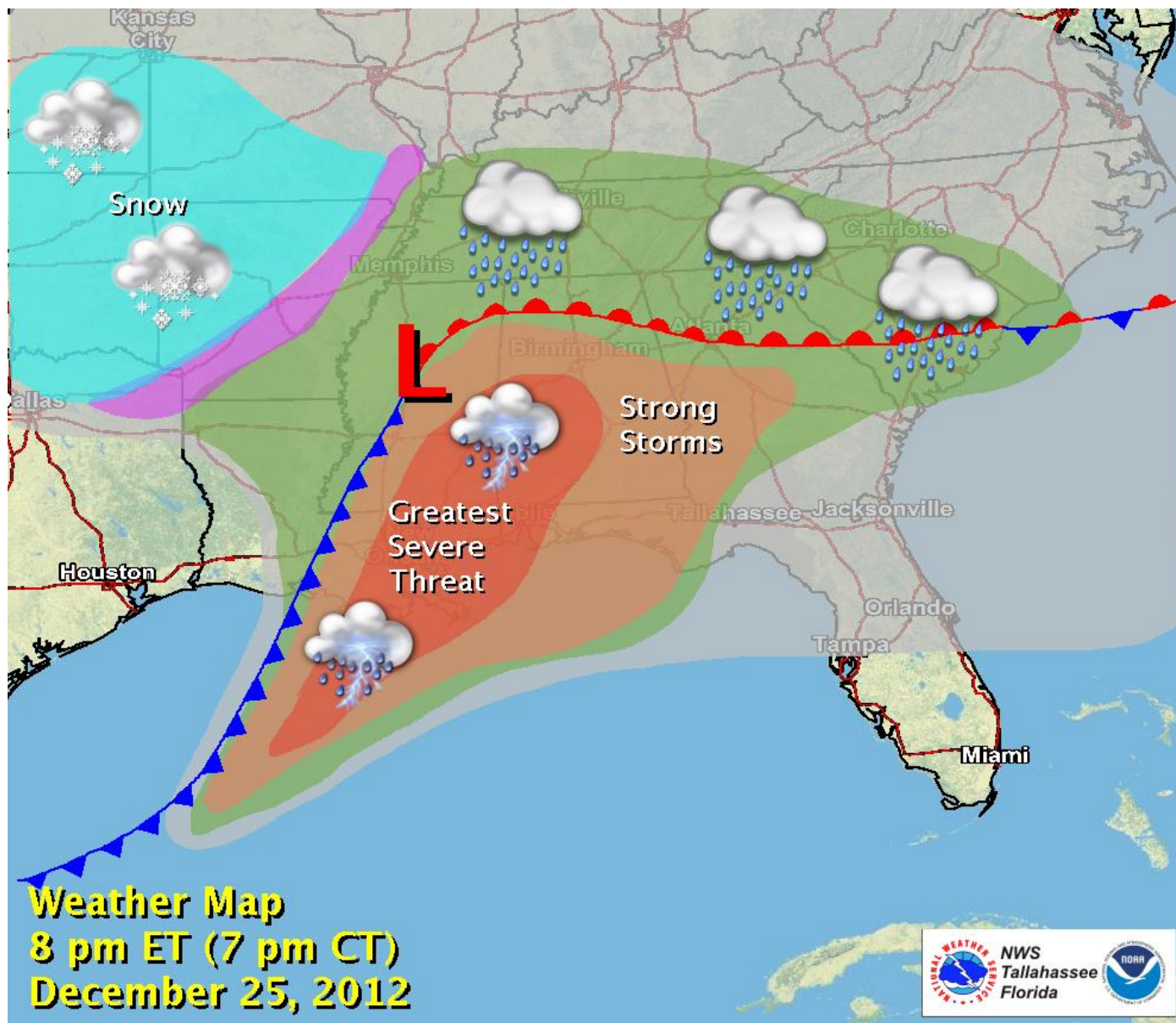
8 am ET (7 am CT) :



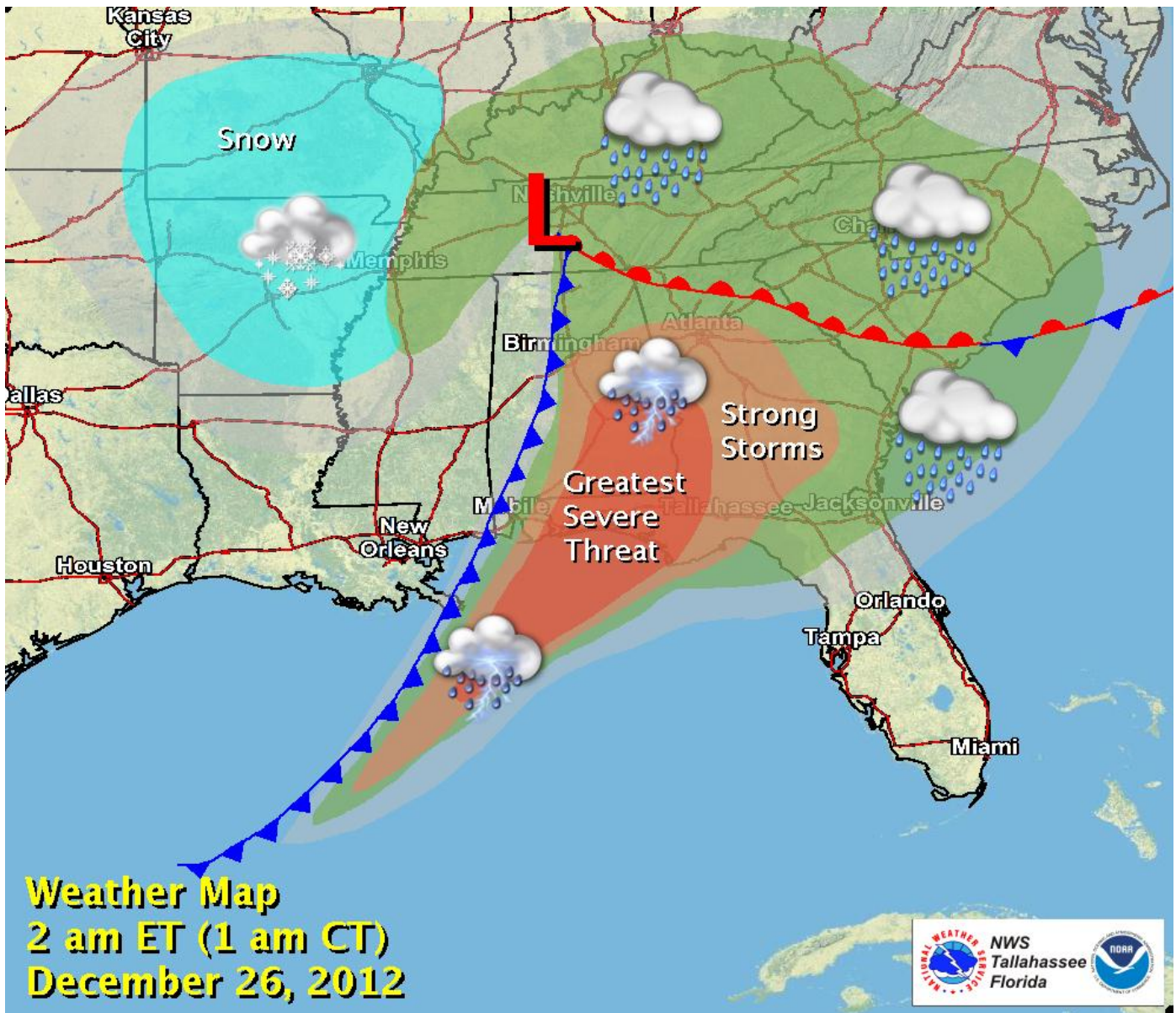
2 pm ET (1 pm CT) Tuesday Afternoon:



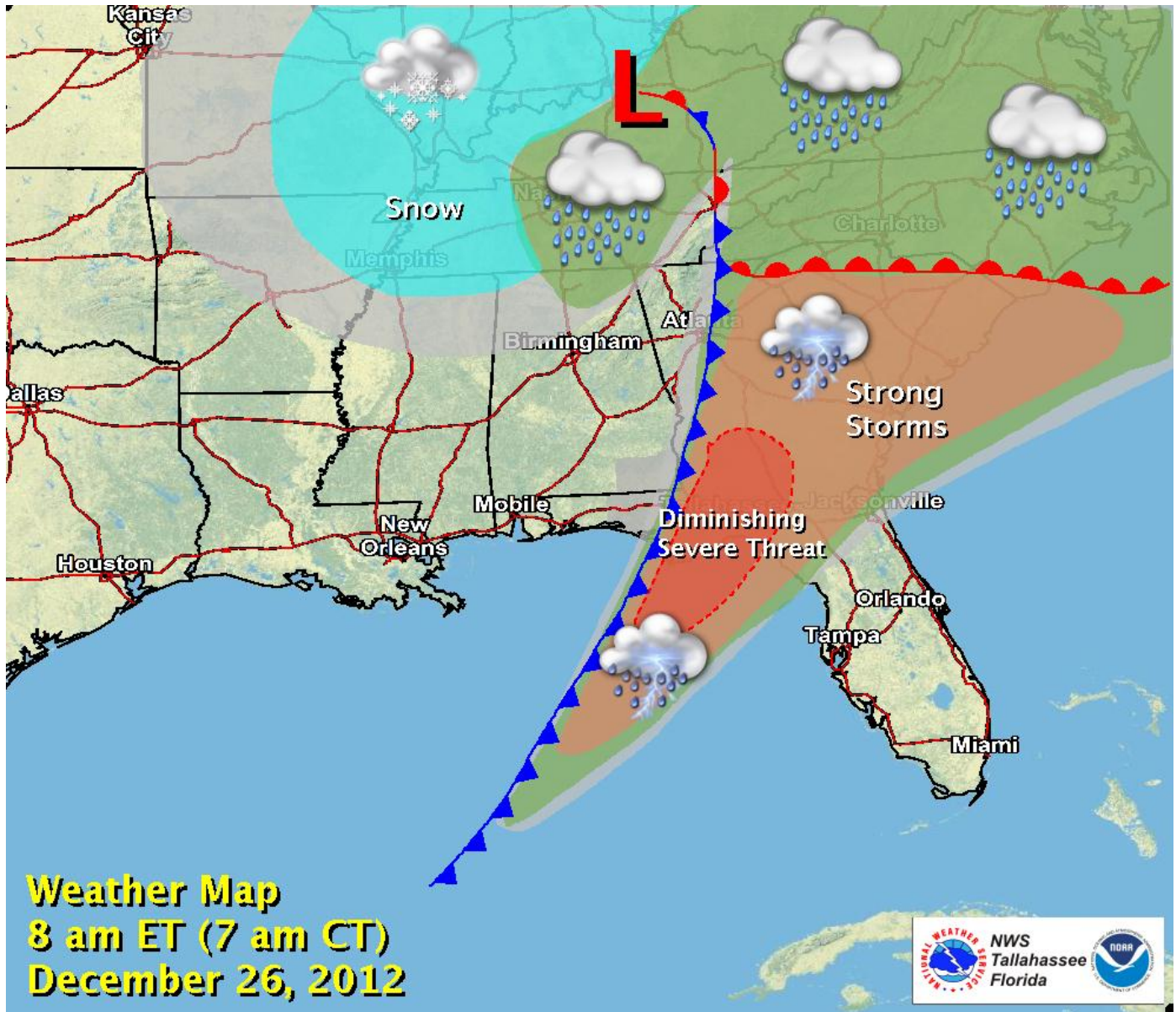
8 pm ET (7 pm CT) Tuesday Evening



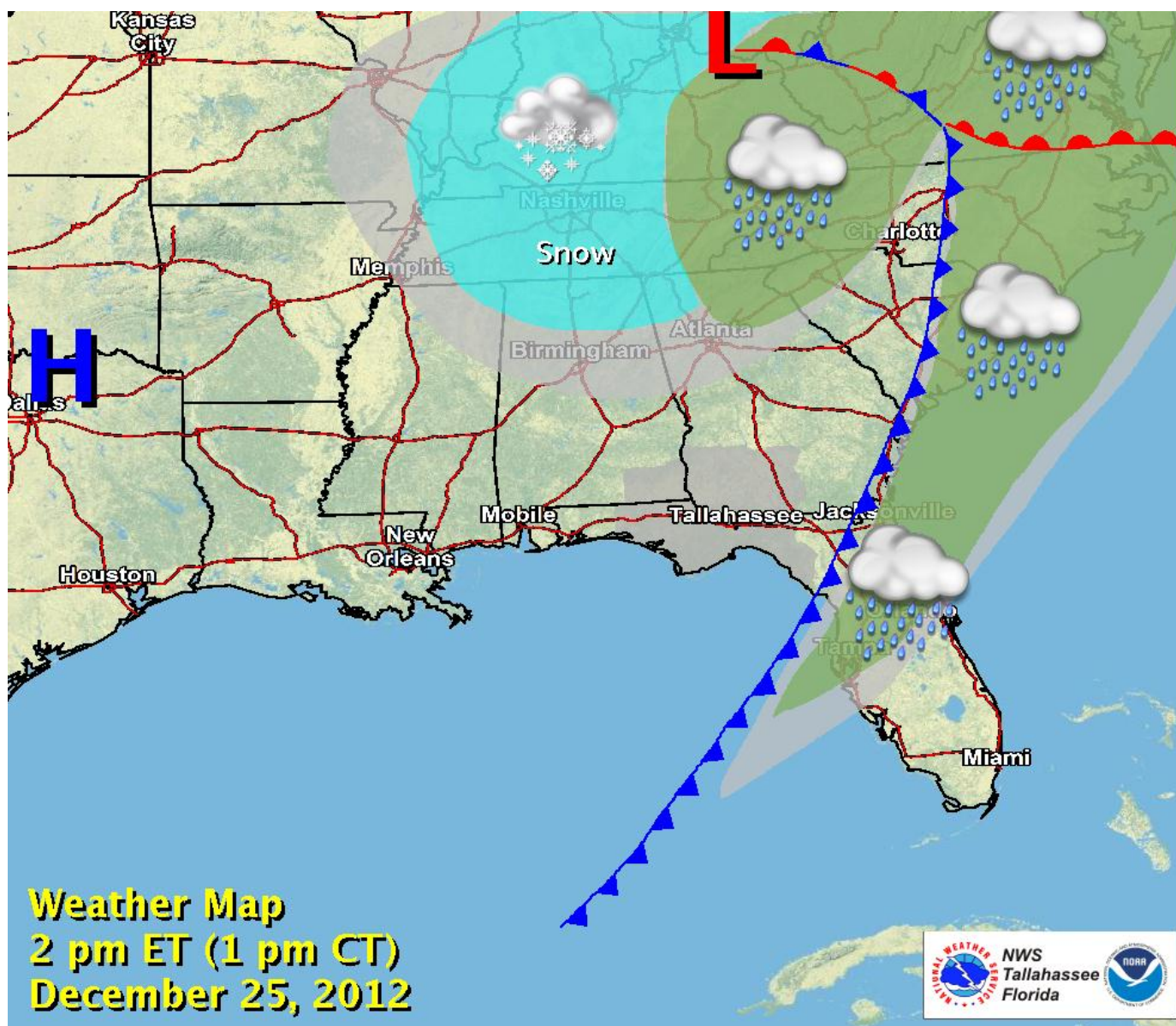
2 am ET (1 am ET) Wednesday Morning



8 am ET (7 am CT) Wednesday Morning:



2 pm ET (1 pm CT) Wednesday Afternoon:



Impacts and Summary:

** There is potential for severe weather across the region starting on Tuesday afternoon and continuing through Wednesday morning.

** The greatest severe weather threat is across Southeast Alabama and into the Florida Panhandle

** Damaging winds and isolated tornadoes are the main threats with this system.

If you have any questions, please give our office a call at 850-942-8833 or on our toll free line at 800-598-4562 and ask to speak to a meteorologist. We are available 24 hours a day, 7 days a week.